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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/902,727	07/12/2001	Arpan P. Mahorowala	YOR92000064USI 9512			
759	90 06/25/2004		EXAMINER			
Burton A. Amernick			NOVACEK, CHRISTY L			
Connolly Bove Lodge & Hutz P.O. Box 19088			ART UNIT	PAPER NUMBER		
Washington, DC 20036-3425			2822			
			DATE MAILED: 06/25/2004	DATE MAILED: 06/25/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action

Application No.	Applicant(s)		
09/902,727	MAHOROWALA ET AL.		
Examiner	Art Unit		
Christy L. Novacek	2822		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 08 June 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

	vance; (2) a timely filed Notice E) in compliance with 37 CFR		e); or (3) a timely file	led Request for Con	tinued
	PERIO	D FOR REPLY [check eith	ner a) or b)]		
a) X The period	d for reply expires 3 months from the	mailing date of the final rejection	on.		
no event, l	d for reply expires on: (1) the mailing however, will the statutory period for ECK THIS BOX WHEN THE FIRST	reply expire later than SIX MON	THS from the mailing da	ate of the final rejection.	
Extensions of tin fee have been filed is fee under 37 CFR 1.1 (2) as set forth in (b)	ne may be obtained under 37 CFR 1. the date for purposes of determining 17(a) is calculated from: (1) the expirabove, if checked. Any reply receive ce any earned patent term adjustme	the period of extension and the ation date of the shortened statu d by the Office later than three r	corresponding amount tory period for reply orig	of the fee. The appropri- inally set in the final Office	ate extension ce action; or
	f Appeal was filed on A 192(a), or any extension there				
2. The propos	sed amendment(s) will not be	entered because:			
(a) 🗌 they ra	aise new issues that would red	quire further consideration	and/or search (see	NOTE below);	
(b) 🗌 they ra	aise the issue of new matter (s	see Note below);			
	re not deemed to place the ap for appeal; and/or	plication in better form for	appeal by material	ly reducing or simpli	fying the
(d) 🔲 they p	present additional claims withou	out canceling a correspond	ding number of final	lly rejected claims.	
NOTE	<u>:</u>				
3.⊠ Applicant's	reply has overcome the follow	wing rejection(s): none.			
	osed or amended claim(s) the non-allowable claim(s).	would be allowable if	submitted in a sepa	rate, timely filed ame	endment
	ffidavit, b)□ exhibit, or c)□ r n in condition for allowance be		n has been consider	red but does NOT pl	ace the
	rit or exhibit will NOT be consi he Examiner in the final rejec		ected SOLELY to is	ssues which were ne	wl y
	es of Appeal, the proposed arn of how the new or amended				an
The status	of the claim(s) is (or will be) a	s follows:			
Claim(s) a	llowed:				
Claim(s) o	bjected to:				
Claim(s) re	ejected:				
Claim(s) w	vithdrawn from consideration:	<u> </u>			
8. The drawin	g correction filed on is	a) approved or b) □ o	disapproved by the	Examiner.	
9. Note the at	tached Information Disclosure	e Statement(s)(PTO-1449) Paper No(s)		
10. Other:	<u>-</u>			m-	
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Advisory Action

This office action is in response to the after-final response filed June 8, 2004.

Response to Arguments

In the final rejection mailed March 8, 2004, Examiner notified Applicant that the 37 C.F.R. 1.131 Declaration filed November 24, 2003 was insufficient to antedate the Pike reference. Applicant argues in the remarks filed June 8, 2004 that the evidence (Figure 4) submitted in the declaration "shows reduction to practice of the entire invention". However, in the affidavit in question, the co-inventor swears only "the present invention was conceived prior to the filing date of the Pike reference and was pursued with diligence from the time of conception until the filing date of the application". The declaration does *not* state that the invention was "reduced to practice" before the filing date of Pike. Thus, Applicant's argument that Figure 4 shows reduction to practice is moot in view of what is sworn to in the declaration.

Regarding the rejection of claims 1-26 and 31 under 35 USC 112, second paragraph, applicant argues that the rejection is improper because allegedly, a "person of ordinary skill in the art would understand 'tuned polymer' from the context of the disclosure" (pg. 8 of applicant's response). To support his assertion, applicant states, "Given the disclosure of suitable type of polymer and suitable properties, a skilled artisan would readily be able to select an appropriate polymer for the resist." However, whether or not someone would be able to select an appropriate polymer for the resist based on applicant's disclosure is not the issue which warrants the 112, second paragraph rejection. The term "tuned polymer", because the definition thereof, has not been disclosed in applicant's specification, is deemed so ambiguous that one of ordinary skill in the art would not know if they were infringing upon applicant's claim or not.

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As is stated in the MPEP, "If the language of the claim is such that a person of ordinary skill in the art could not interpret the metes and bounds of the claim so as to understand how to avoid infringement, a rejection of the claim under 35 U.S.C. 112, second paragraph would be appropriate."

Regarding the rejection of claims 1-8, 12, 13, 17, 18, 20 and 22-30 under 35 U.S.C. 103(a) as being unpatentable over Pike et al. (US 6,420,097) in view of the admitted prior art, Applicant argues, "Examiner construes the claims to equate the underlayer of the present invention with the hardmask of Pike". This argument about what is or is not a "hardmask" is moot because nowhere in Applicant's claims 1-8, 12, 13, 17, 18, 20 and 22-30 is the word "hardmask" recited as a limitation.

Further regarding the rejection of claims 108, 12, 13, 17, 18, 20 and 22-30 under U.S.C. 103(a) as being unpatentable over Pike et al. in view of the admitted prior art, Applicant argues. "The UTR [120] of Pike is not properly equivalent to the underlayer of the present invention". However, nowhere in the previous office actions has the Examiner made the assertion that the UTR layer 120 is equivalent to the underlayer. Instead, the "underlayer" as recited in Applicant's claim 1, has been equated to layer 126 of Pike, as was stated in the previous office action. Thus, this argument is moot.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christy L. Novacek whose telephone number is (571) 272-1839. The examiner can normally be reached on Monday-Thursday and alternate Fridays 7:30 - 5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Amir Zarabian can be reached on (571) 272-1852. The fax phone number for the

organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CLN

June 24, 2004

AMIR ZARABIAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800

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